

A. F. Hagner, 1942

MR 42-12

Dr. Collins (Graphite) - E. 1/2 Sec. 17, T. 23(?), R. 70 - 19 mi. from
Wheatland.

Visited deposit with Dr. Collins. He states that he has 7 claims and that the deposit extends for 1/2 mile in a NE-SW direction. The trend of the graphite is NE-SW and along the strike the ore pinches and swells. Where the pits have been dug - the 4 or 5 we visited - the graphite averages around 6'-8' in thickness. It can be traced for several hundred feet - probably the entire 1/2 mile mentioned above - and along the strike the thickness varies as would be expected of this type of metamorphic deposit.

Apparently the rock is a graphite "schist" - at least it is somewhat foliated, the foliation following the general trend of the hornblende-schists and mica-schists of the region.

There is more ore in sight in the pits than at Plumbago or Lusk. A small amount of the ore in one pit is crystalline - the rest is the "amorphous" variety.

First Pit across road from flat - end of road at fence. Graphite schist here is 8' wide, dip steep NW (contorted), strike NE. On a line to pit on hill to NE the strike is N. 20-25 E. Trend similar to that of other rocks (Bi-Musc-Qtz Schist) of district. Pit 5' high by 4' by 10'. Garnet in places.

Pit SW of above 10' long by 5' wide by 6' high. Dip vertical. Strike N. Foliated, fractured. Strike N. 20 E.

Pit SW of above - the graphite schist is 12' wide. Pit 15' by 5' by 10' deep.

Shaft SW of above in graphite schist about 10' wide. Shaft 20' deep.

Two pits SW of shaft.

In 2 of pits gr. schist is concentrated on the crests of folds.

Float fairly continuous from pit to pit along length of claim.

Dr. Collins (Graphite) ^{E 1/2} S17, T24, R70 19 mi. W. Wheat
 Visited deposit with Dr. Collins. He states that he has
 70 claims and that the deposit extends ^{1/2} mile in a NE-SW
 direction. The trend of the graphite is NE-SW and along the
 strike the ore pinches and swells. Where the pits
 have been dug - the ones we visited - the graphite
 averages around 6'-8' in thickness. It can be
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 least it is somewhat foliated the foliation
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 at Plumbago or Tush. A small amount of the
 ore in one pit is crystalline - the rest is the
 "amorphous" variety.

HS 291.5

Collins Graphite First pit across road from
 flat end of road at fence. Graphite schist
 here is 8' wide, dip steep NW (contorted) strike NE. On
 a line to pit on hill to NE the strike is N20-25 E.

Trend similar to that of other rocks (Bi. Quartz schist)
 of district. Pit 5' high by 4' by 10' - Garnet in place.

Pit SW of above of about 10' long by 5' wide by 6' high. Dip
 vertical. Strike N. Foliated, fractured. Strike
 N20 E.

Pit SW of above that graphite schist is 12' wide
 Pit 15' by 5' by 10' deep.

Shaft SW of above in graphite schist about 10'
 wide. Shaft 20' deep.

Two pits SW of shaft.

In 2 of pits graphite is concentrated on the
 crest of folds.

Most fairly continuous from pit to pit along length
 of claim.

biotite-
 muscovite-
 quartz

